

10/092227  
STN Search Summary

=> d his

FILE 'CAPLUS' ENTERED AT 14:23:10 ON 03 MAY 2004

L1 317 S SATURATION (2W) MUTAGENESIS  
L2 12 S SATURATION (2W) (MUTATE OR MUTANT)  
L3 327 S L1 OR L2  
L4 9 S GSSM  
L5 331 S L3 OR L4  
L6 530597 S ((THREE (2W) DIMENSION?) OR XRAY OR 3D OR CRYSTAL) (S) STRUCT  
L7 15 S L5 AND L6

L7 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2004:221600 CAPLUS  
TI Tuning toluene ortho-monooxygenase of Burkholderia cepacia G4 for  
regiospecific hydroxylation of indole  
AU Rui, Lingyun; Reardon, Kenneth F.; Wood, Thomas K.  
SO Abstracts of Papers, 227th ACS National Meeting, Anaheim, CA, United  
States, March 28-April 1, 2004 (2004), BIOT-054 Publisher: American  
Chemical Society, Washington, D. C.  
DT Conference; Meeting Abstract

L7 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:251379 CAPLUS  
TI Directed evolution of N-acetylneuraminic acid aldolase to catalyze  
enantiomeric aldol reactions  
AU Wada, Masaru; Hsu, Che-Chang; Franke, Dirk; Mitchell, Michael; Heine,  
Andreas; Wilson, Ian; Wong, Chi-Huey  
SO Bioorganic & Medicinal Chemistry (2003), 11(9), 2091-2098

L7 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:137741 CAPLUS  
TI Effects of Heme Ligand Mutations Including a Pathogenic Variant, H65R, on  
the Properties of Human Cystathionine .beta.-Synthase  
AU Ojha, Sunil; Wu, Jianmin; LoBrutto, Russell; Banerjee, Ruma  
SO Biochemistry (2002), 41(14), 4649-4654

L7 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2001:763717 CAPLUS  
TI Residues at the active site of the esterase 2 from Alicyclobacillus  
acidocaldarius involved in substrate specificity and catalytic activity at  
high temperature  
AU Manco, Giuseppe; Mandrich, Luigi; Rossi, Mose  
SO Journal of Biological Chemistry (2001), 276(40), 37482-37490

L7 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2001:86588 CAPLUS  
TI The role for an invariant aspartic acid in hypoxanthine  
phosphoribosyltransferases is examined using saturation  
mutagenesis, functional analysis, and x-ray crystallography  
AU Canyuk, Bhutorn; Focia, Pamela J.; Eakin, Ann E.  
SO Biochemistry (2001), 40(9), 2754-2765

L7 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1999:536441 CAPLUS  
 TI Effects on substrate profile by mutational substitutions at positions 164 and 179 of the class A TEM<sub>UC19</sub> .beta.-lactamase from Escherichia coli  
 AU Vakulenko, Sergei B.; Taibi-Tronche, Pascale; Toth, Marta; Massova, Irina; Lerner, Stephen A.; Mobashery, Shahriar  
 SO Journal of Biological Chemistry (1999), 274(33), 23052-23060

L7 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1999:180877 CAPLUS  
 TI Unexpected crucial role of residue 225 in serine proteases  
 AU Guinto, Enriqueta R.; Caccia, Sonia; Rose, Thierry; Futterer, Klaus; Waksman, Gabriel; Di Cera, Enrico  
 SO Proceedings of the National Academy of Sciences of the United States of America (1999), 96(5), 1852-1857

L7 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1998:61206 CAPLUS  
 TI A genetic approach for identifying critical residues in the fingers and palm subdomains of HIV-1 reverse transcriptase  
 AU Wrobel, John A.; Chao, Shih-Fong; Conrad, Michael J.; Merker, Jason D.; Swanstrom, Ronald; Pielak, Gary J.; Hutchison, Clyde A., III  
 SO Proceedings of the National Academy of Sciences of the United States of America (1998), 95(2), 638-645

L7 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1998:24170 CAPLUS  
 TI The transactivation region of the Fis protein that controls site-specific DNA inversion contains extended mobile .beta.-hairpin arms  
 AU Safo, Martin K.; Yang, Wei-Zen; Corselli, Leah; Cramton, Sarah E.; Yuan, Hanna S.; Johnson, Reid C.  
 SO EMBO Journal (1997), 16(22), 6860-6873

L7 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1996:394371 CAPLUS  
 TI The structure and function of the replication terminator protein of Bacillus subtilis: identification of the 'winged helix' DNA-binding domain  
 AU Pai, Karnire S.; Bussiere, Dirksen E.; Wang, Fenggang; Hutchison, Clyde A., III; White, Stephen W.; Bastia, Deepak  
 SO EMBO Journal (1996), 15(12), 3164-3173

L7 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1994:429786 CAPLUS  
 TI Identification of temperature-sensitive mutants of the human immunodeficiency virus type-1 protease through saturation mutagenesis. Amino acid side chain requirements for temperature sensitivity  
 AU Manchester, Marianne; Everitt, Lorraine; Loeb, Daniel D.; Hutchison, Clyde A., III; Swanstrom, Ronald  
 SO Journal of Biological Chemistry (1994), 269(10), 7689-95

L7 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1993:554814 CAPLUS  
 TI Altering substrate preference of carboxypeptidase Y by a novel strategy of mutagenesis eliminating wild type background  
 AU Olesen, K.; Kielland-Brandt, M. C.  
 SO Protein Engineering (1993), 6(4), 409-15

L7 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1993:537105 CAPLUS  
 TI Saturation mutagenesis of the human interleukin 6  
 receptor-binding site: Implications for its three-  
 dimensional structure  
 AU Savino, R.; Lahm, A.; Giorgio, M.; Cabibbo, A.; Tramontano, A.; Ciliberto,  
 G.  
 SO Proceedings of the National Academy of Sciences of the United States of  
 America (1993), 90(9), 4067-71

L7 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1992:229599 CAPLUS  
 TI Construction of interleukin-1.alpha. mutants using unequal contamination  
 of synthetic oligonucleotides  
 AU Poindexter, Kurt; Jerzy, Rita; Gayle, Richard B., III  
 SO Nucleic Acids Research (1991), 19(8), 1899-904

L7 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1991:673795 CAPLUS  
 TI The DNA binding arm of .lambda. repressor: critical contacts from a  
 flexible region  
 AU Clarke, Neil D.; Beamer, Lesa J.; Goldberg, Harry R.; Berkower, Carol;  
 Pabo, Carlo O.  
 SO Science (Washington, DC, United States) (1991), 254(5029), 267-70

## WEST Search History





DATE: Monday, May 03, 2004

Hide?	Set Name	Query	Hit Count
	<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>		
<input type="checkbox"/>	L14	L11 not l9	58
<input type="checkbox"/>	L13	L12 not l9	58
<input type="checkbox"/>	L12	L11 and enzyme	63
<input type="checkbox"/>	L11	l10 and ((crystal\$ or (three\$ adj dimension\$) or 3d\$ or xray) with structure\$)	63
<input type="checkbox"/>	L10	l6 same (repeat\$ or iterat\$)	80
<input type="checkbox"/>	L9	L8 and cutinase	5
<input type="checkbox"/>	L8	L6 and ((crystal\$ or (three\$ adj dimension\$) or xray) with structure\$)	87
<input type="checkbox"/>	L7	L6 and ((crystal\$ or (three\$ adj dimension\$) or xray) with structure\$)	87
<input type="checkbox"/>	L6	l1 or gssm	197
<input type="checkbox"/>	L5	L2 and cutinase	5
<input type="checkbox"/>	L4	L3 and cutinase	5
<input type="checkbox"/>	L3	L2 and enzyme	80
<input type="checkbox"/>	L2	L1 and ((crystal\$ or (three\$ adj dimension\$) or xray) with structure\$)	80
<input type="checkbox"/>	L1	site\$ adj2 saturation adj2 (mutat\$ or mutant\$ or mutagenesis)	186

END OF SEARCH HISTORY